



#13

## SEQUENCE LISTING

<110> Hillman, Jeffrey D.

<120> Microbial Polynucleotides Expressed During Infection of  
a Host

<130> MBHB00-505I

<140> 10/092,243

<141> 2002-03-06

<150> 60/147,551

<151> 1999-08-06

<150> US00/21340

<151> 2000-08-04

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<170> PatentIn Ver. 2.1

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ggttgaaccg tccaccgggt gcatgagtc cggggataag gtaccgtcgg cgttttccac 900
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aaaagaaaaa tacaacttag acgtagaata cgttttattc atgactacgc cttgccaaac 180
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gcgcaaacgg cgttttatta ttctgtggca gacggcacgg ggggacacaa attcagtcgt 360
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35 40 45  
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35 40 45  
Leu Gly Ile Gln Gly Phe Leu Ser Gly Leu Phe Thr Phe Val Leu Arg  
50 55 60  
Ser Gly Ala Arg Leu Leu Pro Thr Ser Leu Leu Lys Asn Ile Tyr Gln  
65 70 75 80

Thr Phe Leu Arg Lys  
85

<210> 17  
<211> 152  
<212> PRT  
<213> Actinobacillus actinomycetemcomitans

<400> 17  
Asp Arg Asn Lys Arg Ser Phe Tyr Ile Ser Ala Ala Arg Ser Glu Ile  
1 5 10 15  
Phe Asn Leu Ile Val Ala Lys Arg Ile Glu Leu Ser Leu Ala Gln Gln  
20 25 30  
Val Leu Asn Gly Asp Val Leu Gln Leu Asn Gly Ser His Ser Trp Phe  
35 40 45  
Val Ala Asp Ala Ser Glu Asp Leu Thr Gln Leu Gln Gln Arg Leu Ala  
50 55 60  
Gln Arg Asp Ile Leu Leu Thr Ala Pro Leu Ile Gly Glu Glu Asp Lys  
65 70 75 80  
Ser Ala Val Asp Phe Glu Asn Glu Ile Phe Val Ala His Gln Ala Leu  
85 90 95  
Phe His Leu Met Arg Gln Glu Arg Val Lys Ala Ala Arg Arg Pro Ile  
100 105 110  
Leu Met Gln Ala Gln Gln Phe Gln Trp Gln Phe Glu Pro Asn Gly Leu  
115 120 125  
Arg Leu Lys Phe Tyr Leu Pro Ala Gly Ser Tyr Ala Thr Ala Leu Val  
130 135 140  
Arg Glu Leu Val Asn Val Glu Asn  
145 150

<210> 18  
<211> 198  
<212> PRT  
<213> Actinobacillus actinomycetemcomitans

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<221> UNSURE  
<222> (43)  
<223> Xaa stands for any amino acid.

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 Met Asn Ile Leu Leu Ser Asn Asp Asp Gly Ile His Ala Pro Gly Ile  
     1                    5                    10                    15  
 Arg Val Met Arg Thr Leu Arg Lys Ile Ala Asn Val Thr Ile Val Ala  
             20                    25                    30  
 Pro Asp Ser Asn Arg Lys Arg Arg Leu Gln Xaa Leu Asn Leu Gly Glu  
             35                    40                    45  
 Ala Xaa Val Phe Arg Ser Phe Gly Lys Ala Xaa Ile Ile Ala Ser Thr  
     50                    55                    60  
 Ala Xaa Pro Ala Xaa Cys Val His Ile Ala Leu Thr Gly Phe Leu Ser  
     65                    70                    75                    80  
 Gly Arg Ile Asp Leu Val Ile Ser Gly Ile Asn Ala Gly Ala Asn Leu  
             85                    90                    95  
 Gly Asp Asp Val Leu Tyr Ser Gly Thr Val Ala Ala Ala Phe Glu Gly  
             100                    105                    110  
 Arg His Leu Gly Leu Pro Ser Ile Ala Val Ser Leu Asp Gly Arg Gln  
     115                    120                    125  
 His Phe Glu Thr Ala Ala Arg Val Val Cys Asp Leu Val Pro Lys Leu  
     130                    135                    140  
 His Ala Gln Leu Leu Gly Lys His Glu Ile Leu Asn Ile Asn Val Pro  
     145                    150                    155                    160  
 Asp Val Pro Tyr Glu Glu Leu Lys Gly Ile Lys Val Cys His Leu Gly  
             165                    170                    175  
 Tyr Arg Ser Ser Ala Ser Glu Val Ile Lys Gln Gln Ser Pro Arg Gly  
             180                    185                    190  
 Glu Asp Met Tyr Trp Ile  
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<210> 19  
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<212> PRT

<213> Actinobacillus actinomycetemcomitans

<400> 19

Asp Leu Pro Leu Ala Asn Pro Tyr Glu Met Leu Ile Leu Ala Ser Ile  
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Val Glu Lys Glu Thr Gly Ile Ala Ala Glu Arg Pro Gln Val Ala Ser  
20 25 30

Val Phe Ile Asn Arg Leu Lys Ala Lys Met Lys Leu Gln Thr Asp Pro  
35 40 45

Thr Val Ile Tyr Gly Met Gly Asp Asp Tyr Asn Gly Asn Ile Arg Lys  
50 55 60

Lys Asp Leu Glu Thr Pro Thr Pro Tyr Asn Thr Tyr Val Ile Asp Gly  
65 70 75 80

Leu Pro Pro Thr Pro Ile Ala Met Pro Ser Glu Glu Ala Leu Gln Ala  
85 90 95

Val Ala His Pro Ala Gln Thr Ala Phe Tyr Tyr Phe Val Ala Asp Gly  
100 105 110

Thr Gly Gly His Lys Phe Ser Arg Asn Leu Asn Glu His Asn Lys Ala  
115 120 125

Val Gln Gln Tyr Leu Arg Trp Tyr Arg Glu Gln Asn Gly Lys  
130 135 140

<210> 20

<211> 54

<212> PRT

<213> Actinobacillus actinomycetemcomitans

<400> 20

Met Val Gly Lys Phe Ile Val Ile Glu Gly Leu Glu Gly Ala Gly Lys  
1 5 10 15

Ser Thr Ala His Gln Cys Val Val Asp Thr Leu Lys Thr Leu Gly Val  
20 25 30

Gly Glu Val Ile Ser Thr Arg Glu Pro Gly Gly Thr Pro Val Gly Gly  
35 40 45

Lys Ala Thr Pro Ser His  
50